

Converting Colors

$Y_{xy}(22.7176, 0.2811, 0.4553)$

Have a look what the booklet for
Yxy(22.7176, 0.2811, 0.4553)
contains.

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Color

Yxy(22.7418, 0.2812, 0.4560)

Conversions

Conversions Part 1

Format	Color
Hex	389459
RGB	56, 148, 89
RGB Percent	22%, 58%, 35%
CMY	0.7804, 0.4196, 0.6509
CMYK	0.62, 0.00, 0.40, 0.42
HSL	142°, 45%, 40%
HSV	142°, 62%, 58%
XYZ	14.0241, 22.7418, 13.1065
YIQ	113.7660, -35.8930, -37.8530

Conversions

Conversions Part 2

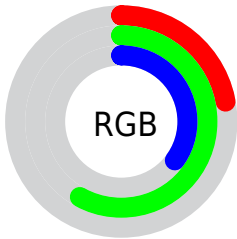
Format	Color
RYB	56, 124, 148
Decimal	3707993
CIELab	54.81, -40.99, 23.33
CIELCh	55, 47.160, 150.353
Yxy	22.7418, 0.2812, 0.4560
Android (android.graphics.Color)	4281898073 (0xFF389459)
YUV	113.7660, -12.2096, -50.6608
Hunter-Lab	47.6884, -30.9617, 17.0869

Details

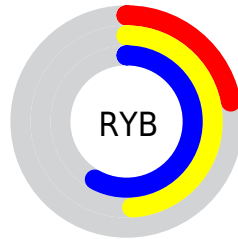
The Yxy color **22.7418, 0.2812, 0.4560** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.3604, 0.3765, 0.2333**, and the grayscale version is **16.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0501, 0.2896, 0.4245**, and **8.5329, 0.2750, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **22.2283, 0.2797, 0.4803**, and if you desaturate by 10%, it is **23.4038, 0.2842, 0.4319**.

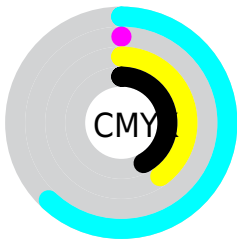
Distribution



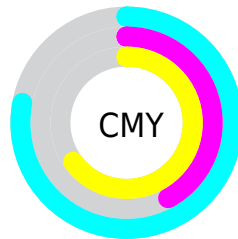
- Red (22%)
- Green (58%)
- Blue (35%)



- Red (22%)
- Yellow (49%)
- Blue (58%)



- Cyan (62%)
- Magenta (0%)
- Yellow (40%)
- Black (42%)



- Cyan (78%)
- Magenta (42%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7418, 0.2812, 0.4560 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.7418, 0.2812, 0.4560 by changing the saturation by 10% instead.


 22.7418, 0.2812,
0.4560


 22.7418, 0.2812,
0.4560


266.3960, 0.3012,
0.3805


 14.4030, 0.2740,
0.4802


 47.9690, 0.2899,
0.4250


 8.4015, 0.2631,
0.5153


 65.6262, 0.2927,
0.4145

 4.3529, 0.2445,
0.5701

 87.1583, 0.2949,
0.4060

 1.8729, 0.2157,
0.7248

 112.9496, 0.2966,
0.3991

 0.5320, 0.0000,
1.0000

 143.3847, 0.2981,
0.3933

 0.0000, 0.0000,
0.0000

178.8479, 0.2993,

0.3884

219.7235, 0.3003,
0.3842

■ 22.7418, 0.2812,
0.4560

■ 22.7418, 0.2812,
0.4560

■ 22.2283, 0.2797,
0.4803

■ 23.4038, 0.2842,
0.4319

■ 21.8482, 0.2798,
0.5039

■ 24.2222, 0.2884,
0.4086

■ 21.5881, 0.2817,
0.5257

■ 25.2080, 0.2935,
0.3868

■ 21.4390, 0.2837,
0.5413

■ 26.3698, 0.2992,
0.3667

■ 27.7162, 0.3052,
0.3485

■ 29.2548, 0.3114,
0.3323

■ 30.9930, 0.3175,
0.3179

■ 32.9377, 0.3235,
0.3052

■ 35.0955, 0.3293,
0.2941

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.7418, 0.3602, 0.4837



22.7418, 0.2812, 0.4560



22.7418, 0.2151, 0.3744

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.7418, 0.2812, 0.4560



22.7418, 0.1964, 0.2060



22.7418, 0.4688, 0.3388

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.7418, 0.2812, 0.4560



10.3604, 0.3765, 0.2333

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.7418, 0.4127, 0.2822



22.7418, 0.2812, 0.4560



22.7418, 0.2496, 0.2096

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.7418, 0.2812, 0.4560



22.7418, 0.1724, 0.2302



22.7418, 0.3282, 0.2366



22.7418, 0.4733, 0.3993

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.7418, 0.2812, 0.4560



22.7418, 0.1867, 0.3141



22.7418, 0.3282, 0.2366



22.7418, 0.4553, 0.3192

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.7427, 0.2812, 0.4560



47.1563, 0.3008, 0.3614



25.1652, 0.3604, 0.4909



10.6298, 0.2993, 0.3664



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7427, 0.2812, 0.4560



38.9014, 0.2795, 0.4906



23.7479, 0.2482, 0.3564



6.5008, 0.3070, 0.3435



18.3165, 0.2834, 0.5402



0.2294, 0.2601, 0.4564

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.3604, 0.3765, 0.2333



15.0936, 0.3982, 0.2200



9.5629, 0.4732, 0.3073



5.8742, 0.3189, 0.3149



6.0867, 0.4341, 0.2165



0.0801, 0.3731, 0.1829

Previews

White Background



This preview shows how the Yxy color 22.7418, 0.2812, 0.4560 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 22.7418, 0.2812, 0.4560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7418, 0.2812, 0.4560

Background



This preview shows how black text looks on a background with the Yxy color 22.7418, 0.2812, 0.4560.



This preview shows how white text looks on a background with the Yxy color 22.7418, 0.2812, 0.4560.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.7418, 0.2812, 0.4560

Protanopia

22.3252, 0.3813, 0.4120

Deuteranopia

22.3454, 0.3862, 0.3805



Tritanopia

22.8126, 0.2443, 0.3080

Trichromacy



Original Color

22.7418, 0.2812, 0.4560

Protanomaly

21.9267, 0.3362, 0.4300

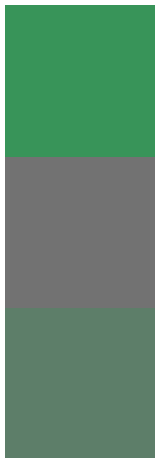
Deuteranomaly

21.3993, 0.3388, 0.4075

Tritanomaly

22.7604, 0.2575, 0.3591

Monochromacy



Original Color

22.7418, 0.2812, 0.4560

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.2688, 0.2969, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7418, 0.2812, 0.4560 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(56, 148, 89)` looks like.

```
.text, #text, p{  
    color:rgb(56, 148, 89)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(56, 148, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 148, 89) }
```

Border

The CSS property to change the border of an element to Yxy 22.7418, 0.2812, 0.4560 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(56, 148, 89) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(56, 148, 89) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(56, 148, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 148, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 148, 89);  
box-shadow:4px 4px 4px 4px rgb(56, 148,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7418, 0.2812, 0.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 148, 89) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(56, 148,  
89) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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